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EXAMINER

CAZAN, LIVIUS RADU

ART UNIT

PAPER NUMBER

3729

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DELIVERY MODE

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.



## DETAILED ACTION

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/19/2010 has been entered.

### ***Election/Restrictions***

2. **Claim 1 is allowable**, together with dependent claims 2-3, 6, 8-10, 24-26, 29, and 30. Claims 5 and 28, previously withdrawn from consideration as a result of a restriction requirement, require all the limitations of an allowable claim. Pursuant to the procedures set forth in MPEP § 821.04(a), **the restriction requirement as set forth in the Office action mailed on 1/23/2009, is hereby withdrawn** and claims 5 and 28 are hereby rejoined and fully examined for patentability under 37 CFR 1.104. In view of the withdrawal of the restriction requirement, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

***Conclusion***

3. **This application is in condition for allowance except for the following formal matters:**

**In the claims:**

In claim 1, line 27, "the void" should read --the void section--

Claim 2 should be cancelled or other appropriate action should be taken, because claim 1 already requires dissolving the dissolvee metal layer, at lines 23 and 24.

In claim 4, lines 3 and 4, "said conductor pattern forming step" should read --forming said conductor pattern--

In claim 5, line 6, "same void" should read --same void section--

Claim 6 should be cancelled or other appropriate action should be taken because claim 1 already recites adhering the transfer sheet and the insulating layer (see lines 13 and 14), housing the electronic component in the void section (see line 7), and connecting the electric device to the conductor pattern (see line 18 and lines 27-30).

In claims 8, 24, 26, 28, and 29, the dependency should be changed as appropriate (if cancelling claim 2 as discussed above).

In claim 10, lines 4 and 5, the claim should read --layering multiple ones of said formed device-incorporated substrates, with filled through holes forming electrical connections therebetween-- or similar language.

In claim 30, the dependency should be changed as appropriate, if cancelling claim 6, as discussed above.

In claim 30, line 2, "further wherein" should read --wherein-- and "step includes" in line 3 should read --step further includes--.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LIVIUS R. CAZAN whose telephone number is (571)272-8032. The examiner can normally be reached on M-F 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DERRIS H. BANKS can be reached on (571) 272-4419. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/L. R. C./ 6/19/2010  
Examiner, Art Unit 3729  
/Derris H Banks/

Supervisory Patent Examiner, Art Unit 3729